

Abbreviated Design Form

For use with gravity, pump to gravity, enhanced flow, and low pressure distribution (LPD) sewage system designs and when applying for a certification letter or subdivision approval.

Property ID: _____

Design Basis

Estimated percolation rate: _____

Number of bedrooms: _____

Proposed distribution method (select one):

Gravity, Pump to Gravity, or Enhanced Flow: _____

LPD or drip dispersal: _____

Square feet of trench bottom required per bedroom
(from Table 5.4 of SHDR) based on the distribution
method selected above:

Square feet per bedroom: _____

Total square feet required: _____

Area Calculations

Number of trenches _____

Length of trenches: _____

Width of trenches: _____

Center to center spacing _____

Reserve required? _____

Percent reserve area required: _____

Total width of required absorption area: _____

The required width is calculated by multiplying the center-to-center spacing by the number of trenches and adding 1 trench width plus any required reserve area. If the topography is not uniform across the length of the site the trenches will need to flare apart on one end to maintain contour. When this occurs it is necessary to use a center-to-center spacing that accounts for the flair or the installer will not be able to fit the system within the approved area. It is perfectly acceptable to have more area available, especially up and down the slope, than is required.

Length of available area: _____

Total width of available area: _____

